

WHAT IS CLAIMED IS:

1. A ballpoint pen tip comprising a writing ball and a check ball, wherein the writing ball and the check ball are placed close to each other with a slight clearance therebetween.
2. The ballpoint pen tip according to claim 1, wherein the check ball is smaller in diameter than the writing ball.
3. The ballpoint pen tip according to claim 1, wherein vertical play of the check ball is larger than vertical play of the writing ball.
4. The ballpoint pen tip according to claim 2, wherein vertical play of the check ball is larger than vertical play of the writing ball.
5. The ballpoint pen tip according to claim 1, wherein lateral play of the check ball is larger than lateral play of the writing ball.
6. The ballpoint pen tip according to claim 2, wherein lateral play of the check ball is larger than lateral play of the writing ball.
7. The ballpoint pen tip according to claim 3, wherein lateral play of the check ball is larger than lateral play of the writing ball.

8. The ballpoint pen tip according to claim 4, wherein lateral play of the check ball is larger than lateral play of the writing ball.

9. The ballpoint pen tip according to claim 1, further comprising:

an ink guide hole for guiding ink to the writing ball;
channels formed by cutting an inner peripheral surface of the ink guide hole; and

a protrusion and a recess that are traces of removed channel burrs being caused when the channels are cut;
wherein the protrusion contacts a surface of the check ball to provide a space to be an ink pool between the surface of the check ball and the recess.

10. The ballpoint pen tip according to claim 2, further comprising:

an ink guide hole for guiding ink to the writing ball;
channels formed by cutting an inner peripheral surface of the ink guide hole; and

a protrusion and a recess that are traces of removed channel burrs being caused when the channels are cut;
wherein the protrusion contacts a surface of the check ball to provide a space to be an ink pool between the surface of the check ball and the recess.

11. The ballpoint pen tip according to claim 3, further comprising:

an ink guide hole for guiding ink to the writing ball;
channels formed by cutting an inner peripheral surface of the ink guide hole; and
a protrusion and a recess that are traces of removed channel burrs being caused when the channels are cut;
wherein the protrusion contacts a surface of the check ball to provide a space to be an ink pool between the surface of the check ball and the recess.

12. The ballpoint pen tip according to claim 4, further comprising:

an ink guide hole for guiding ink to the writing ball;
channels formed by cutting an inner peripheral surface of the ink guide hole; and
a protrusion and a recess that are traces of removed channel burrs being caused when the channels are cut;
wherein the protrusion contacts a surface of the check ball to provide a space to be an ink pool between the surface of the check ball and the recess.

13. The ballpoint pen tip according to claim 5, further comprising:

an ink guide hole for guiding ink to the writing ball;
channels formed by cutting an inner peripheral surface of the ink guide hole; and

a protrusion and a recess that are traces of removed channel burrs being caused when the channels are cut;

wherein the protrusion contacts a surface of the check ball to provide a space to be an ink pool between the surface of the check ball and the recess.

14. The ballpoint pen tip according to claim 6, further comprising:

an ink guide hole for guiding ink to the writing ball;
channels formed by cutting an inner peripheral surface of the ink guide hole; and

a protrusion and a recess that are traces of removed channel burrs being caused when the channels are cut;

wherein the protrusion contacts a surface of the check ball to provide a space to be an ink pool between the surface of the check ball and the recess.

15. The ballpoint pen tip according to claim 7, further comprising:

an ink guide hole for guiding ink to the writing ball;
channels formed by cutting an inner peripheral surface of the ink guide hole; and

a protrusion and a recess that are traces of removed channel burrs being caused when the channels are cut;

wherein the protrusion contacts a surface of the check ball to provide a space to be an ink pool between the surface of the check ball and the recess.

16. The ballpoint pen tip according to claim 8, further comprising:

an ink guide hole for guiding ink to the writing ball;
channels formed by cutting an inner peripheral surface
of the ink guide hole; and

a protrusion and a recess that are traces of removed
channel burrs being caused when the channels are cut;

wherein the protrusion contacts a surface of the check
ball to provide a space to be an ink pool between the surface
of the check ball and the recess.

17. A ballpoint pen comprising:

a ballpoint pen tip comprising a writing ball and a check
ball, wherein the writing ball and the check ball are placed
close to each other with a slight clearance therebetween; and

an ink-containing tube that contains gel ink.

18. The ballpoint pen according to claim 17;

the check ball being smaller in diameter than the writing
ball,

vertical play of the check ball being larger than vertical
play of the writing ball,

lateral play of the check ball being larger than lateral
play of the writing ball, and

the ballpoint pen tip further comprising:

an ink guide hole for guiding ink to the writing ball;

channels formed by cutting an inner peripheral surface of the ink guide hole; and

a protrusion and a recess that are traces of removed channel burrs being caused when the channels are cut;

wherein the protrusion contacts a surface of the check ball to provide a space to be an ink pool between the surface of the check ball and the recess.

19. A method of manufacturing a ballpoint pen tip, comprising the steps of:

cutting an ink guide hole for guiding ink;

cutting channels in an inner peripheral surface of the ink guide hole;

removing channel burrs caused when the channels are cut; and

inserting a check ball and a writing ball into the ink guide hole.